

Comparisons of Job Characteristics

Focus Occupation: Foundry Mold and Coremakers (51-4071)

Associated Occupation: Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 73

Focus Occupation: Foundry Mold and Coremakers (51-4071)

Associated Occupation: Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Education and Training	9.2	13.6	7.2	<<	Extensive education and/or training may be required
Mechanical	6.8	13.4	11.0	<	Expanded education and/or training may be required
Production and Processing	6.0	9.6	11.8	>	Current knowledge level is likely sufficient
Chemistry	4.8	8.6	6.9	<	Expanded education and/or training may be required
Sociology and Anthropology	4.1	7.4	1.6	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 59

Focus Occupation: Foundry Mold and Coremakers (51-4071)

Associated Occupation: Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation Monitoring	6.6	11.9	5.7	<<	Extensive development of skills in this area may be required
Operation and Control	5.4	10.2	3.7	<<	Extensive development of skills in this area may be required
Quality Control Analysis	5.9	10.2	5.0	<<	Extensive development of skills in this area may be required
Troubleshooting	4.5	7.7	4.7	<<	Extensive development of skills in this area may be required

Repairing	3.4	7.6	1.3	<<	Extensive development of skills in this area may be required
Equipment Maintenance	3.5	7.4	1.3	<<	Extensive development of skills in this area may be required
Equipment Selection	3.3	7.1	3.1	<<	Extensive development of skills in this area may be required
Installation	1.7	5.1	1.6	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 84

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Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	12.2	9.1	<<	Extensive improvement in abilities may be required
Reaction Time	4.8	11.9	10.5	<	Some improvement in abilities may be required
Multilimb Coordination	6.0	11.0	11.9	0	Current ability level may be sufficient
Trunk Strength	5.7	10.3	10.2	0	Current ability level may be sufficient
Visual Color Discrimination	6.4	10.1	5.9	<<	Extensive improvement in abilities may be required
Auditory Attention	5.9	9.2	9.5	0	Current ability level may be sufficient
Rate Control	3.8	9.2	8.3	<	Some improvement in abilities may be required
Stamina	4.0	7.9	6.7	<	Some improvement in abilities may be required
Speed of Limb Movement	3.2	6.9	4.2	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 85

Focus Occupation: Foundry Mold and Coremakers (51-4071)

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Work Activities	Exclusivity of Activity
Adjust production equipment/machinery setup	25
Move or fit heavy objects	8
Read production layouts	66
Read technical drawings	7
Understand technical operating, service or repair manuals	6

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

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Tools and Technologies	Exclusivity
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Tools and technology data is unavailable for one or both occupations.	
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Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.